

REMARKS

The Examiner has rejected claims 1-10 under 35 U.S.C. §102(e) as being anticipated by Sarraf (US Patent No. 6,793,009). The Examiner has also rejected claims 11-13 and 15-16 under 35 U.S.C. §103(a) as being unpatentable over Sarraf (US Patent No. 6,793,009) in view of Kosson et al. (U.S. Patent No. 3,901,331). Claim 14 is rejected under 35 U.S.C. §103(a) as being unpatentable over Sarraf (US Patent No. 6,793,009) in view of Kosson et al. (U.S. Patent No. 3,901,331) and Han et al. (U.S. Patent No. 6,427,765). In this Reply, claims 4, 9-11 are cancelled and claims 1, 2-3, 5-8 and 12 -16 are pending in the application.

Based on the August 23, 2005 interview, Applicant has amended claim 1 to emphasize the features of the current application, "a mesh in the form of an elongate circular ring and a plurality of particulates of metal powder and fine broken fibers embedded in interstices of the mesh, wherein the mesh and the particulates embedded therein are attached to the internal wall of the tubular member by a sintering process". There is no new matter added in the amendment. Usually metal powder is used with the mesh during a sintering process in prior art but not in the combination of the fine broken fibers. Once the mesh embedded with these particulars are sintered with the internal wall, it creates an uneven surface with recesses and protrusions, which will increase the heat pipe's internal contact surface.

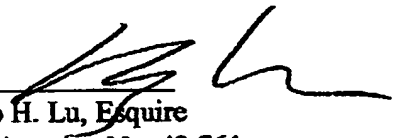
Kosson discloses a heat pipe having a porous artery disposed around a hollow core. (Kosson column 1, lines 25-26). Meantime, Han discloses "a heat pipe having a pipe body and a wick having a larger diameter than that of the pipe body before being inserted into the pipe body... wherein the wick includes a plurality of groups of wires which are spirally woven to form a cylindrical wick." (Han column 1, lines 63-67 and column 2, lines 1-2). Sarraf, Kosson, Han whether alone or their combination don't teach or disclose particulates of metal powder and fine broken fibers embedded and sintered in interstices of the mesh.

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If the Examiner believes that a further telephonic interview will facilitate allowance of the claims, he is respectfully requested to contact the undersigned at (610) 446-5886. For the reasons stated above, Applicants respectfully assert that the pending claims are in condition for allowance. Reconsideration and allowance of the pending claims are respectfully requested.

Respectfully submitted,

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